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physical logical redundant broadband commun Search Advanced Scholar Search

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Control and management in next-generation networks: challenges and opportunitiesARL Multimedia - Communications Magazine, IEEE, 2002 - [seealso.see.org](#)... cessing, **communication protocol** design, concu- rency control, **failover strategy**, platform **redundancy** and reliability ... much more functionality to satisfy the requirements of next-generation **broadband data-centric** ... Figure 3 shows both the **logical** and the imple- mentation views of ...[Cited by 52](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Multiprotocol adaptor for communication between CEBus devices and remote controllers over an ATM-based broadband access network**HJ Moller, ... - US Patent 5,949,779, 1999 - [Google Patents](#)HFC MAC HFC MAC 10 BASET **PHYSICAL LAYER** 10 BASET **PHYSICAL LAYER HFC** ... CEBUS **DEVICES** AND **REMOTE CONTROLLERS** OVER AN **ATM-BASED BROADBAND ACCESS** **NETWORK** ... 16, 1997, pending, and entitled "CEBus Data Link Layer Proxy," which is fully ...[Cited by 52](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Method and system for integration of several physical media for data communications between two computing systems in a manner transparent to layer**FP Fernandez, G Castano, FJG Gomez, ... - US Patent 2002 - [Google Patents](#)... tions which may be split through diverse communication links to increase the available bandwidth and/or the trans- mission **redundancy** ... that integrates several communication paths for data trans- mission and switches the data to the desired **physical** and **logical** path in a ...[Cited by 52](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**THESEUS terminal-access to broadband networks for European stock exchanges**H Cruckmark, H Pan, Z Sun, ... - Electronics & ... 2002 - [seealso.see.org](#)... 0 it is a standard transport mechanism for **broadband** communications which has been adopted by ... The PAC (Central Access Point, in French) is the **communication protocol** used by the Paris ... The WAN **physical connection** varies from terrestrial leased lines to satellite channels. ...[Cited by 52](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Communication system architecture, apparatus and management and signalling method therein**GC Hayball, ... - US Patent 6,556,827, 2002 - [Google Patents](#)... physically sepa- rate but equivalent functional entities (in addition to built-in **redundancy** provisions), system ... The MSP EM-46 manages the MSP platform and its **physical** interfaces whilst operational data ... A **logical** exchange 50 can therefore be formed from all of the above. ...[Cited by 11](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Use of active topology protocols, including the spanning tree, for resilient redundant connection of an edge device**MJ Seaman, ... - US Patent App. 09/798,842, 2001 - [Google Patents](#)... 25, and "enter- prise" 2 66 and enterprise 3 67, are coupled to the secure MAN 60 by appropriate **physical** and **logical** interfaces ... between the customer networks or devices, and the secure MAN support security processes for the MAN, and include **redundant** connections to ...[Full Text Sources](#)**The management paradigm shift: Challenges from element management to service management**SE Fern, VB Lawrence, ... Bell Labs Technical Journal, 2000 - [Wiley Online Library](#)... The management layers are **logical**; they do not need to correlate with any **physical** implementation ... At the lower layers, activities affect **physical** resources; at the higher layers, they affect relatively abstract enti- ties ... The necessary fault tolerance and **redundancy** shall be provided ...[Cited by 14](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Method and apparatus using distributed intelligence for applying real time pricing and time of use rates in wide area network including a headend and subscriber**GA Davis, ... - US Patent 6,197,259, 2000 - [Google Patents](#)... The gateway 40 has one WAN interface 405 corresponding to the WAN (eg, broadband, LLEO, RF, etc.) from which it communicates with the headend ... Thus, another complete **physical** and **logical** WAN interface can be implemented without the need to change any other ...[Cited by 52](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)**Point-to-multipoint virtual circuits for metropolitan area networks**MJ Seaman, V Jain, G Jankowski, ... - US Patent App. 09/ ... 2001 - [Google Patents](#)... rings, equipment is pro- vided so that a **link** can comprise **logical** segments, each ... received by WDM (wavelength division multiplexing) equipment attached to the **physical** fiber segment ... The IEEE 602.1 Spanning Tree provides for **redundant** connections within a network, where ...[Full Text Sources](#)**(B00K) Integrated management of networked systems: concepts, architectures, and their operational application**HG Heggeny, S Abecio, ... 1999 - [books.google.com](#)... Network development: Fast networks are a prerequisite for highly transparent **link** networks between the function-dedicated compo- nents of a distributed cooperative supply structure. The development of transmission techniques, including protocol hierarchies and coupling[Cited by 150](#) - [Related articles](#) - [Library Search](#) - [Full Text Sources](#)**Method and apparatus for communicating information between a headend and subscriber over a wide area network**QA Dove, ... - US Patent 5,946,352, 1999 - [Google Patents](#)... Thus, another complete **physical** and **logical** WAN delivers ... mode, BBMAC 25 talkAddrFactory is always transmitted and allows BBMAC checks for transport cell integrity by performing cyclic 25 to verify that the gateway talkAddrFactory and talkAddr **redundancy** checking on ...[Cited by 50](#) - [Related articles](#) - [Full Text](#) - [Full Text Sources](#)

A little inaccuracy sometimes saves tons of explanation HH Munro [Saki]

IP ATM, F. Reilly... - 1995 - Wiley Online Library

... Differing applications achieve this, and they include processor duplication and **redundant** media systems ... G.703 The CCITT standard for the **physical** and **logical** transmissions over a digital ... IEEE 802.5 A later **physical** LAN standard that uses the token passing access method on ...

[Full text](#)

Current status and future directions of software architectures for telecommunications

A. Page... Computer Communications, 2002 - Elsevier

... Unfortunately, this **redundancy** comes at the price of increased complexity ... of a protocol stack, for instance the use of the Common Management Information Protocol (CMIP) at the application layer, and of an object-oriented view of the **physical** and **logical** resources in the ...

[Cited by 2](#) - [Related articles](#) - [Full text](#)

Expression and management of QoS in multimedia communication systems

W. Tawfik... Annals of Telecommunications, 1994 - Springer

... two main categories of multimedia applications to use on the future **broadband** ISDN networks ... should offer the possibility of providing **physical** paths for the group communication, which is ... if this service is suitable for ATM networks, because it may introduce **redundant** functions ...

[Cited by 12](#) - [Related articles](#) - [Library Search](#) - [Full text](#) - [Full text](#)

A survey of communication protocol testing

R. Li... Journal of Systems and Software, 2002 - Elsevier

... doi:10.1016/S0166-1212(01)00132-7 | How to Cite or Link Using DOI Copyright © 2001 Elsevier ... This paper presents a literature survey of **communication protocol** testing ... However, the sequence generated may contain many **redundant** inputs which in turn generate loops in the ...

[Cited by 52](#) - [Related articles](#) - [Full text](#)

[PDF] Intelligent agents in network management, a state-of-the-art

M. Chetoui... P. Com. Networking and Information, 1993 - Elsevier

... In addition to proper **redundant** design, network management has an indispensable role to play in ensuring high availability of its resources. ... about the **logical** structure of the VPN and its usage, while the provider agent knows both the **logical** and **physical** implementation of ...

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[\[PDF\] from rishika](#)

[PDF] Managing Virtual Circuit and Virtual Path Services on ATM Networks with Quality of Service Guarantees

N. Amer... 1996 - Elsevier

... these networks will support. Future integrated networks will contain a very large number of **physical** and **logical** entities, services, and users to be managed and controlled. The fixed ... suffice in future **broadband** networks, the main limitation stemming from the complex in ...

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[\[PDF\] from cnu.edu](#)

Automatic power outage notification via CEBUS interface

Z. Ahmed, S.M. Fong, R. Kumar... US Patent 6,055,565, 2000 - Google Patents

... 12 * 135 1150 10 BASET PHYSICAL LAYER ATM PVC OCS LINE TO PMS HFC MAC HFC ... of the plurality of CEBUS residential networks across a non-CEBUS ATM-based **broadband** access network ... 3 is a diagram of the **logical** view of a communication path between a UHNN ...

[Cited by 13](#) - [Related articles](#) - [Full text](#)

Modular RF communication module for automated home and vehicle systems

G. Hou... US Patent 6,374,979, 2002 - Google Patents

... Still others use movement and/or audio detectors or **physical** circuits, which when broken ... In another aspect of the present invention, a method for minimizing **redundancy** between distributed RF ... 8 is a process flow diagram illustrating **logical** steps for configuring a new sensor ...

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[PDF] Data networks integration

J. De... P. Com. Networking and Information, 1993 - Elsevier

... QoS support, enhanced multicast, MPOA support, LANE NNI (LNNI), multiple and **redundant** server elements ... The network establishes calls over virtual circuits, which are **logical** connections between the ... X.25 can support multiple virtual circuits over a single **physical** circuit, thus ...

[View on IJITM](#) - [Full text](#) - [Full text](#)

[\[PDF\] from iug.uns.ac](#)

The application of intelligent T1 multiplexers in hybrid and ISDN networks

B. Hilde... Technology for the 1990s and Beyond... 2002 - Elsevier

... The customer-premises equipment normally has extensive **redundancy** features that permit it to ... utilize the SS7 message transfer part protocol to transport **logical** circuit association ... 8. HYBRID NETWORKS BASED ON BISDN Future **Broadband** ISDN (BISDN) technology [6] - [8] ...

[BOOK] Quality-of-service issues in networking environments

B. Shiller... 1999 - Elsevier

... to overcome drawbacks of traditional communication architectures, such as **redundant** protocol functions ... access and maintenance methods, is the ATM-based B-ISDN (**Broadband** Integrated Services ... They are used within a **communication protocol** and do not contain internal details ...

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[CITATION] An introduction to broadband networks: LANs, MANs, ATM, B-ISDN, and optical networks for integrated multimedia telecommunications

A.S. Auer... 1994 - Springer

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Systems and methods for multiple voice data communication which includes interface cards including configurable clocks that are dynamically coupled to a TDS bus

S. P. ... US Patent 6,208,540 2001 - Google Patents

... 352, 445, 370/458, 451, 458, 442, 353, 408, 401, 402, 423-5, 463, 489 (56) References Cited US PATENT DOCUMENTS 5,195,086 3/1993 Baumgartner et al 370/264 (List continued on next page.) OTHER PUBLICATIONS Black, ATM Foundation for **Broadband** Networks, pp ...

[Cited by 22](#) - [Related articles](#) - [Full text](#)

Local Area Networks With Fiber Optics

G. ... 1981 - Orlin

... onto the network. e. Session Layer The session layer provides the following services: * Establish, manage and terminate **connection** between cooperating applications ... DATA LINK LOGICAL LINK

[\[PDF\] from fsc.mil](#)

CONTROL -- I MEDIUM ACCESS CONTROL PHYSICAL PHYSICAL ...

[All 3 versions](#)

[BOOK] Newnes data communications pocket book

31/1/2007 - [books.google.com](#)
... link control LMDS local multipoint distribution service LRC longitudinal **redundancy** check USB ...
scale integration LT line termination LTE line terminating equipment LU **logical** unit LWT ... public
telecommunications operator PTT post, telegraph and telephone PU **physical** unit PUC ...
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[PDF] Framework for a Link Layer Packet Filtering (LLPF) Security Protocol

[\[PDF\] from nps.edu](#)

C.R. Darrach, ... - 1999 - [ebsco.com](#)
... Co S Class of Service CPI Common Part Indicator CRC Cyclic **Redundancy** Check CS ... Union-
Telecommunication Standard Section LAN Local Area Network LLC **Logical Link** Control
Link ... security of an organization was focused on two major areas: **Physical** security and ...
[Related articles](#) - [Library Search](#) - [All 3 versions](#)

Toward management systems for emerging hybrid fiber-coax access networks

S. Ramakrishnan, ... - Networks, IEEE 2002 - [ieeexplore.ieee.org](#)
... multiple services (eg. digital video, telephony, data services) over the same **physical** network
from the ... To accommodate such services, the net- work design should support **redundancy**. ... the
Second Level manager regards the coaxial portion as a single managed **logical** entity ...
[Cited by 8](#) - [Related articles](#) - [Library Search](#) - [All 3 versions](#)

[BOOK] Data communications principles

R.D. Gafin, J.F. Hayes, ... - 1982 - [books.google.com](#)
... development in the art and technology of data communications, and it reflects our experience
as designers of techniques and systems for data communication over voice-grade and **broadband**
channels. ... In the final analysis, all **physical** channels are analog and **physical** data vi ...
[Cited by 241](#) - [Related articles](#) - [Library Search](#) - [All 3 versions](#)

Cost-effective placement of functionality in telecommunication system design

D.V. Polymeros, ... - International Journal of ... 1996 - [intelsec.wiley.com](#)
... FE such that they are always placed together and are descendants of the same **logical** entity. ...
will be con- sidered automatically in step 5, although it will cause **redundant** computations. ... It may
be ignored in implementations which need only the external interfaces of **physical** entities ...
[Related articles](#) - [Library Search](#) - [All 2 versions](#)

Apparatus, method, system and system method for distributed routing in a multipoint communication system

M.W. Patrick, D.J. Ploker, ... - US Patent 5,793,541 - 1999 - Google Patents
... of a communication system over channels having 6 MHz bandwidth in the frequency having
logical networks and ... Also for ease of reference, the and cyclic **redundancy** checks. ... Solomon
encoder), for modulation and for channels may, of course, be the same **physical** channel or ...
[Cited by 63](#) - [Patent articles](#) - [All 4 versions](#)

A multi-agent system architecture for scalable management of high performance networks: Applying arms length autonomy

R. Everett, P. Schmitt, D. Kert, ... - Software agents for future ... 1999 - [books.google.com](#)
... indicated to it, then it will try to re-route any affected **logical** resources. ... Deliberative agents are
based on Simon and Newell's **Physical** Symbol System (Newell and Simon, 1976 ... K. QML
semantics result in **redundant** content being exchanged between agents in order to establish ...
[Cited by 3](#) - [Patent articles](#)

[PDF] Data Communication Systems in Nuclear Power Plants

[\[PDF\] from rlm.no](#)

G.G. Frenkel, ... - Livermore Nat. Lab., Livermore, CA, Tech. ... 1983 - [lbn.lln.no](#)
... **ISO link** layer into the Medium Access Control (MAC) sublayer and the **Logical Link** Control (LLC ...
as sixteen 6,144 Mbit/second data channels on a 100-MHz **physical** data **link** ... Error-detection
schemes are based upon the transmission of **redundant** information and the detection of ...
[Cited by 1](#) - [Related articles](#)

[PDF] A Parallel Approach to Integrated Multi-Gbit/s Communication over Multiwavelength Optical

[\[PDF\] from psu.edu](#)

A. Poppeanu, ... - 1994 - [CiteSeer](#)
... **Physical Layer** Medium **Logical Link** Control Datalink Layer Page 13. 4 ... its set by classical
TDM. The electro-optic and processing bottlenecks at the **Physical Layer** (PHY), ... the same data
stream. Large packet sizes are not advantageous for carrying mixed **broadband** ...
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Link discovery, verification, and failure isolation in an optical communication system

G.A. Garatol, H. Raza, R. Ramaswami, ... - US Patent App. 10/1 ... 2002 - Google Patents
... 15,2004 (54) **LINK DISCOVERY, VERIFICATION, AND FAILURE ISOLATION IN AN OPTICAL**
COMMUNICATION SYSTEM (75) Inventors: Othman A. Garatol, Los Altos, CA (US); Humair Raza,
Sunnyvale, CA (US); Rajiv Ramaswami, Sunnyvale, CA (US); Babu O. Narayanan ...
[All 2 versions](#)

[PDF] First Year Report

[\[PDF\] from csu.edu](#)

T. Lutzer, ... 2006 - [CiteSeer](#)
... it uses, its processing power, and the complexity of the inter port-processor **communication**
protocol ... Denrester 99), contention between different layers * [Cochet 00] heuristic algorithm
for **logical** topologies on ... functions placed at low levels of a system may be **redundant** or of ...
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[BOOK] Charging communication networks: from theory to practice

D.J. Sengupta, ... 1998 - [books.google.com](#)
... multiservice networks the full bandwidth does not need to be reserved for the whole duration of
the **connection**, but is ... Since in **broadband** networks there will be a large number of connections
carrying bursty traffic which share network resources (link bandwidth and ...
[Cited by 10](#) - [Patent articles](#) - [Library Search](#) - [All 3 versions](#)

Final Report for the Protocol Extensions for ATM Security Laboratory Directed Research and Development Project

T.G. Tardant, T.G. Peterson, ... - 1998 - [osu.gov](#)

... in the ATM cell header CPU Central Processing Unit CRC Cyclic **Redundancy Check** ... a ... that specifies peer-to-peer communications and packet formats on a **logical subnetwork LRS** ... It requires separate keys for each **physical link** between network nodes (ie protocol processor ...

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[BOOK] Data and computer communications: networking and internetworking

G3 Hura ... 2001 - [books.google.com](#)

... 199 5.8 Typical **broadband LAN** configuration 200 5.8.1 Components of **broadband LANs** 200 ... interconnection-reference model (OSI RM) and LAN standards 248 7.2.2.1 **Physical layer** 249 ... 8.1.1 IEEE 802.1 high-level interface (HLI) 301 8.1.2 IEEE 802.2 **logical link control (LLC)** ...

[Cited by 4](#) - [Related articles](#) - [Library Search](#) - [All 5 versions](#)

Communication server apparatus and method

JF Michale R31 LOCKLEAK ... - US Patent App. 09/005,504, 1998 - [Google Patents](#)

... **NON-DEDICATED DATA LINE (START LOAD ACTIVITY TABLE OF VALID SUBSCRIBERS SELECT FIRST ACTIVE NON-DEDICATED DATA LINE RETRIEVE TIMEOUT STATUS FROM DETECTOR YES COMMUNICATE STATUS OR CONNECTION INFORMATION TO ...**

[Patented by 18](#) - [All 3 versions](#)

Counterfeit STB prevention through protocol switching

K Hoang ... - US Patent App. 09/992,015, 2001 - [Google Patents](#)

... understood that other embodiments may be utilized and that structural, **logical**, and electrical ... to prevent counterfeited STBs using an earlier **communication protocol** from deciphering ... 2003 one embodiment the authenticity checker performs a cyclic **redundancy check (CRC)** ...

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[PDF] MULTIAGENT SYSTEMS

Y Hu ... 2003 - [Citeseer](#)

... Focusing attention on the **logical level** will aid this push and also provide the mechanism for ... is acknowledged by its adoption into the FIPA (Foundation for Intelligent **Physical Agents**) specifications ... Of course this technique may lead to **redundancy** and mean that control may be ...

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[BOOK] Network communications technology

A Elam ... 1991 - [books.google.com](#)

... Gigabit Ethernet 182 13.3 Gigabit Ethernet Protocol Architecture 182 13.4 MAC and **Physical Layer Architecture** ... Ring topology The disadvantages of ring topology are as follows: • If a **link** or a ... CHAPTER 1 Bus Topology A bus network is a multi-point **connection** in which stations ...

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[BOOK] Telecom operations management solutions with NetExpert

K Terplan ... 1988 - [books.google.com](#)

... The North Carolina Information Highway 299 Part V Management of **Broadband Services** 321 19 Telco Mass-Market **Broadband Solutions** 323 20 ... service • service provisioning refers to a chain of activities based on service orders until all **physical** and **logical** resources are ...

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Systems and methods for multiple mode voice and data communications using intelligently bridged

TDM and packet buses and methods for performing telephony and ...

GE Pounds CA Trees ... - US Patent 6,400,711, 2002 - [Google Patents](#)

... A 12/1995 12/1995 7/1996 7/1996 8/1996 Boaz et al 7/2006 Penzias 379/67 379/68 DeJager et al 370/321 370/321 379/376 Boal et al 370/395 (List continued on next page.) OTHER PUBLICATIONS Black, ATM Foundation For **Broadband Networks**, pp ...

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DS Milojkic V Kalogeraki P Lukose, K Nagarejo ... - 2002 - [Citeseer](#)

... disconnection operation AOL Chat, Groove parasitic NW new NWs: wireless, **broadband** improved communication ... where members come and go based peripate on their current **physical** location or ... rely on established infrastructure—they build their own, eg, **logical** overlay in ...

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[BOOK] 802.11 demystified

J LaPrade ... - 2002 - [books.google.com](#)

... Packet Data CSMA/CS—Complementary metal oxide semiconductor CRC—cyclic **redundancy** code CS ... thousand cycles per second) LAN—Local area network LLC—**Logical Link Control** LMS ... Memory Card International Assoc PDU—Protocol data unit PHY—**Physical (layer)** PIFS ...

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[BOOK] Hack proofing your wireless network

G Barnes, R Quisenberry ... 2002 - [books.google.com](#)

... He currently provides strategic direction and architectural design to Lucent **Service Provider** and Large Enterprise customers ... a High-Level Topology 173 Creating a Collocation Architecture 174 Defining the High-Level Services 174 Creating a High-Level **Physical Design** 175 ...

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Energy-efficient wireless communication

PJM Hwang ... 2000 - [citeseer.ist.psu.edu](#)

... Data link protocols are usually divided into two main functional components: the **Logical Link Control (LLC)** and the Medium Access Control (MAC), that are responsible for providing a point-to-point packet transfer service ... At the radio **physical level redundancy** for detecting ...

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System and method for measuring and enhancing the quality of voice communication over packet-based networks

QA Amore - US Patent App. 10/005,495, 2001 - [Google Patents](#)

... A user can select a **service provider**, but not a particular packet routing **path**. ... application software, developed in the C programming language, provides the **logical control** for ... communication in a packet-based network and for analyzing adherence to a **communication protocol**. ...

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[CITATION] A Wireless-LAN Configuration and Access Control Utility

F Axtell-Jewison, P Lykberg, J Gribble, M Seneff ... - 2002

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System and method for providing interactivity for end-users over digital broadcast channels

R. Gay... - US Patent App. 09/993,890, 2001 - Google Patents
 Page 1. US 2002/009638A1 (19) United States (12) Patent Application Publication
 (40) Pub. NO.: US 2002/009638 A1 Oz et al. (43) Pub. Date, May 16, 2002 (54)
 SYSTEM AND METHOD FOR PROVIDING INTERACTIVITY ...

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Systems and methods for multiple mode voice and data communications using intelligently bridged

TDN and packet buses and methods for performing telephony and...

E. Winer... - US Patent 6,446,642, 2002 - Google Patents
 ... 1993 Baumgartner et al. 7/1994 Boaz et al 3/70/264 709/206 (List continued on next
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 pp: 137-152, 170-173. Stallings, William, SNMP, SNMPv2 ...

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[BOOK] Metropolitan area networks

MNO Services... - 1994 - books.google.com
 ... The first type is a **broadband** nonisochronous service over a metropolitan area. ... **Logical Link Control**
Media Access Control and **Physical Layer Data Link Layer Physical Layer MAN Protocols OSI**
Protocols ... MAC 2 MAC 1 ... **MAC 2 Physical 1 Physical 1 Physical 2 Physical 2 r ...**

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[PDF] Software agents in communications network management: An overview

A.G. Hayzeiden... - Knowledge Engineering Review Journal, 1999 - Citeseer
 ... The introduction of **broadband** technologies and the expertise realised from the computing industry ...
 Focusing attention on the **logical** level will aid this push and also provide ... is acknowledged by
 its adoption into the FIPA (Foundation for Intelligent **Physical** Agents) specifications ...

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Software Agents

A.G. Hayzeiden, J. Bigham... - Software agents for ..., 1999 - books.google.com
 ... Focusing attention on the **logical** level will aid this push and also provide the mechanism ... have
 severe impacts on the efficiency of the bandwidth utilization of the **physical** communications system. ...
 highly dynamic real-time environments at least part of the plan is **redundant** by the ...

[Related articles](#)

Distributed multimedia systems

VOK L... - Proceedings of the IEEE, 2002 - IEEE Xplore
 ... enhance the existing CD-ROM-based multimedia applications but also encourage newly emerging
broad-band applications at the ... also known as data compression, reduces the size by throwing
 away the **spatial redundancy** within the ... the **physical** viewing area of the monitor. ...

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[BOOK] Integrated computer network systems

F. Weich... - 1992 - books.google.com
 ... 7.4.2.1 Station Management 198 7.4.2.2 Slot Time 193 7.4.2.3 **Logical** Ring Establishment ... 196
 ... 7.4.2.6 Synchronous Data Transmission Value 197 7.4.3 IEEE 802.4 **Broadband** Implementation
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I. Qutub... - 2002 - books.google.com
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 GL 008 GLOSARIUM TEKNOLOGIINFORMASI Penyunting: Titon Dutono Elyia ...

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Method and system for determining filter gain and automatic gain control

Y.S. Nayak... - US Patent App. 10/161,918, 2002 - Google Patents
 ... are many implementations of the basic scheme, differing in the **communication** protocol used
 and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated
 access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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Method and system for implementing a gaussian white noise generator for real time speech

synthesis applications
 M. Radma... - US Patent App. 10/161,921, 2002 - Google Patents
 ... are many implementations of the basic scheme, differing in the **communication** protocol used
 and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated
 access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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[PDF] IIS

E. Bommers... - 1999 - alexandra.tue.nl
 ... appendix E), which is used to develop the MMS interface2 • At the **physical** layer and ... Within the
 IEEE **broadband** frequency spectrum, these frequency ranges use two 6 MHz cable ... software is
 downloaded into the controllers' RAMs and takes care of the **Logical Link Control** (LLC) ...

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J.Y. Chacaveila M. Becker... - 1999 - Citeseer
 ... **Broadband** Integrated Satellite Network Traffic Evaluations ... In **physical** topology, it is very similar
 to 10 Base-T. However, with the use of optical cables, it is possible to ... All hubs in the same stack
 become part of one **logical** repeater, and the stack is counted as only one Class I or ...

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S. Lavi... - 2000 - books.google.com
 ... 324 9.5.2 **Broadband** Network Reference Implementation of PIN 324 9.5.3 Distributed Network ...
 4-4: Communicating Proxies Architecture 117 Figure 4-5: Multiple Machines Sharing Single **Link**
 118 Figure ... Composed of Three Gates and One Core 136 Figure 5-6: **Logical** View of ...

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Method and system for implementing a low complexity spectrum estimation technique for comfort noise generation

V Nayak - US Patent App. 10161,687, 2002 - Google Patents

... are many implementations of the basic scheme, differing in the **communication protocol** used and ... to Global System for Mobile commu- nications (GSM) basestations, to **broadband** integrated access ... and the perception of on/off transmission rather than a continuous **connection**. ...

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L Kariyapper - World - Citeseer

... Having a local and independent **service provider** at each domain guarantees locally the continuity of service. ... The trading mechanism allows advertising of available services, service providers, and their interface properties, and supports retrieval of **service provider** in- formation. ...

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... LAN Local Area Network LCSE **Logical Channel Signaling Entity** ... RTP Real-Time Transport Protocol SCCP Signaling **Connection Control Part** ... details of the infrastructure, i.e. the exchanged messages, **communication protocol**, operating system, or hardware [Mitra1999]. ...

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... He currently provides **strategic** direction and architectural design to Lucent **Service Provider** and Large Enterprise cus- tomers. ... a High-Level Topology 173 Creating a Collocation Architecture 174 Defining the High-Level Services 174 Creating a High-Level Physical Design 175 ...

[PS] CITR TECHNICAL JOURNAL VOLUME

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... **Service Provider** Workforce Network Management ... Recently, management platform features have been extended to support a standard Application Program Interface (for example X/Open XOM& API) and provide automatic **connection** management and location ...

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... 4 is devoted to analyse and suggest possible **path** recovery strategies that can be used to enhance network reliability and resilience; it focuses on the problem of **logical path** recovery and ... A back-up **path** may also be required, giving rise to two separate classes (3a and 3b). ... **Link** ...

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Method for organizing multiple versions of XML for use in a contact center environment

C Bourdier ... - US Patent App. 10135,637, 2002 - Google Patents

... 29 2004 Sheet 6 of 13 US 2004/0083479 At Client Side Server Side 601 Client connects to V the server 3 603 Client sends a request 605 Client processes the response 607 Client disconnects from the server 602 Server accepts client **connection** Server processes the request ...

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Digital production services architecture

T A Adams ... - US Patent App. 10120,579, 2002 - Google Patents

... layer. For example, functions and/or methods in an exemplary archi- tecture optionally overlap between layers to provide a greater degree of flexibility and **redundancy** from both an implementation and operation perspective. ...

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[BOOK] Ad hoc networking-technology and trends: trend report 2002/2001

A Buisenmann - 2001 - books.google.com

... Further developments in HomeRF technology will enable a whole new class of applications, including cordless telephony and data interaction, streaming music and video, and **broadband** wireless Internet ... AnyPoint connects PCs and laptops on a **physical** and **logical** level. ...

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C Don O'Grady, N Panagiotou Demetrias ... - Information ..., 1994 - Citeseer

... All are closed loop; that is, there is a clear **path** for feeding back ... **Communication protocol** ODA G3, G4 COM ODA extension (H.261) ... At the bottom of the stack one can find the Network Level, which represents the communications infrastructure of a **broadband** network. ...

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E Pagan - 2000 - books.google.com

... 10Base36 - 10 Mbps **Broadband** 36 MHz ... Name Cabling Maximum segment distance 10Base2 thin coaxial 10Base5 thick coaxial 10BaseF fiber cable 2000 m 10BaseF 10BaseFL fiber cable fiber cable 2000 m + extra segments 2000 m + **link** 10BaseFP fiber cable 500 m ...

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... The TS was divided into 12 aspects including Service Aspects, Network Aspects, **Physical Layer** in the Radio **Path**, Audio Aspects etc ... Terminal Equipment/Mobile Station (TE/MS) and cover only the lower three layers of the OSI model i.e. the **Physical layer**, the **Link layer** and ...

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 KC Alwerdt... - 2002 - books.google.com
 ... 3.1 Link Emulator The tested that we implement uses the wired Ethernet LAN in the lab, as the **physical** communication medium. ... point Link suit **link** type sub **link** Local interface IP
 aJrex sub **link** iah's bandwidth sub **link** Link dclay sub **link** ... **path** that a **connection** uses. ...
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AA Thomas Jr... - US Patent app. 200307... - 2002 - freepatentonline.com
 ... (DS7) **Logical** connections above ... the **SIA** layer 420, and/or other layers, are optionally exposed on a network through a **communication protocol**, described with ... According to this example, fallower to original VAM/VTR copy is automatic via **redundant** locator data if SAN or DAM ...
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[CITATION] Cisco AVVID and IP telephony: design & implementation

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MD Shult... - 2000 - oar.chc.mil
 ... Spoofing also involves trying to hijack a session from another legitimate **connection**. TCP uses the Sequence Number to keep track of an open communication session. ... The solution is for the source Internet **Service Provider** (ISP) stop fake packets from leaving its site. ...
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 ... and are always there for me, and God, for guiding me down this **path** and giving me ... you've got the NetLingo.com Web site, which gives you a direct link to resources like ... In computer programming, "&" represents a **logical** and" and two ampersands are used in the programming ...
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 ... content is provided by the users independently of the communication **service provider**; users ... being ... facilities, **connection** of airline reservation terminals to centralized data base facilities. ... 3. Brown University in Rhode Island uses a **broadband** cable television network to ...
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 ... Hubs 43 Switches 48 Cable/DSL Modem Routers 51 Servers 53 **Redundant** Array of independent ... **SOHO** LANs Defined standing this **logical** organization helps when configuring a Windows **SOHO** LAN ... network transmission load could easily overload a DSL or cable modem **link**. ...
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System Resource Management for Distributed Real-Time Systems.

M Davis, EL Koushan, LC Schriener, AR Downing... - 1998 - cel.csi.mil
 ... objects (eg, the correlation or weapon assignment objects of a C2 application); and the admission control and resource allocation decisions for **connection**- oriented applications ... In addition to providing control over a resource, the **logical** and **physical** resource management ...
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DS MILODJIC, V KALOGERAKI, R LUKOSE... - 2002 - ic.uniconp.br
 ... discon- nected operation AOL Chat. Groove parasitic NW new NWs: wireless, **broadband** improved communication ... where members come and go based perhaps on their current **physical** location or ... rely on es- tablished infrastructure — they build their own, eg, **logical** overlay in ...
 Research articles

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 ... typically by focussing on what systems should do rather than on their **physical** connection or ... or adun- dam functionality is included that would distract the user and forcing **redundant** knowledge and ... A function is a **logical** grouping of behaviour, with well-defined input and output ...
 Google link - **Physical** network - View as HTML - All 3 versions

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Y El Fakhry, T Lu, M Pless, J Wu, Y Yang... - Cluster... - 2002 - ee-gin.eu
 ... for errors contained herein or direct, indirect, special, incidental or consequential damages in **connection** with the ... system, it is likely that more than one data transfer traverses a **link** at a ... Most applications use TCP as a **communication protocol**, and a Grid file transfer should not ...
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 ... immediate problems. The requirement for **broadband** access (defined here to be two to ten megabits per ... many layers of the OSI reference model as defined below: • **physical** layer (L1) - the flexibility of wireless, both radio frequency (RF) and ... there is only one **logical** LES. ...
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AA Hubbard, K Wambach... - 2002 - Google Patents
 ... Unlike a small local network environment, for example, as may be used by an Internet **Service Provider** (ISP), which may include less than 100 interconnected computers systems to perform

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A. Ibarra - 1992 - CiteSeer

... Another approach is to prototype the application using some specialised real-time constructs for fast evaluation [Luq86]. A slightly different **path** was taken by the developers of Mascot [Simpson86], which provides a design method based on a form of ...

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S. Vagstad - 1995 - books.google.com

... 722 SYSTEM DESIGN CONSIDERATIONS 728 TELECOMMUNICATIONS MULTIPLEXING 130 SONET 734 BROADBAND ISDN 737 ... A million **logical** switches, or more, can fit into one mechanical relay case ... of seven layers beginning at the lowest layer, the **physical** layer, and ...

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[BOOK] Computer telephony encyclopedia

R. Grigore - 2000 - books.google.com

... Indeed, Burke's unique tangled, yet slap-dash, almost picaresque version of history reminds me of the convoluted **path** that led me ... random areas that had no significance or connectedness other than that they caught my fancy. Cultural and **physical** anthropology, archaeology ...

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G.J. Levermore - 2000 - Taylor & Francis

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P. Johnson - 2002 - CiteSeer

... prime example. A computing machine is an approximation of a model that per se has no link to the natural world. It ... science [Sea99]. Further complicating the picture is the obvious link to engineering and engineering methodology. When ...

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... are based on analogue signal transmission, making it more or less a '**redundant**' technology in ... the digital signal more data can be transmitted through a certain **physical** transmission medium ... On receiving the digital **broadband** signal first a single signal is isolated from the stream ...

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